

Day : Thursday

Date: 3/3/2005  
Time: 13:37:40 **PALM INTRANET****Inventor Name Search Result**

Your Search was:

Last Name = GOETZ

First Name = GILLES

| Application#             | Patent#    | Status | Date Filed | Title                                                                        | Inventor Name    |
|--------------------------|------------|--------|------------|------------------------------------------------------------------------------|------------------|
| <a href="#">10307803</a> | 6716869    | 150    | 12/02/2002 | PROTEASE INHIBITORS OF THE COAGULATION CASCADE ISOLATED FROM DYSIDEA SPONGES | GOETZ, GILLES H. |
| <a href="#">10759667</a> | Not Issued | 071    | 01/16/2004 | PROTEASE INHIBITORS OF THE COAGULATION CASCADE ISOLATED FROM DYSIDEA SPONGES | GOETZ, GILLES H. |
| <a href="#">60341527</a> | Not Issued | 159    | 12/17/2001 | PROTEASE INHIBITORS OF THE COAGULATION CASCADE ISOLATED FROM DYSIDEA SPONGES | GOETZ, GILLES H. |

*parent*  
*same*  
*prov.*

**Inventor Search Completed: No Records to Display.**

**Search Another: Inventor**

|                                       |                                     |
|---------------------------------------|-------------------------------------|
| <b>Last Name</b>                      | <b>First Name</b>                   |
| <input type="text" value="goetz"/>    | <input type="text" value="gilles"/> |
| <input type="button" value="Search"/> |                                     |

To go back use Back button on your browser toolbar.

Back to [PALM](#) | [ASSIGNMENT](#) | [OASIS](#) | Home page

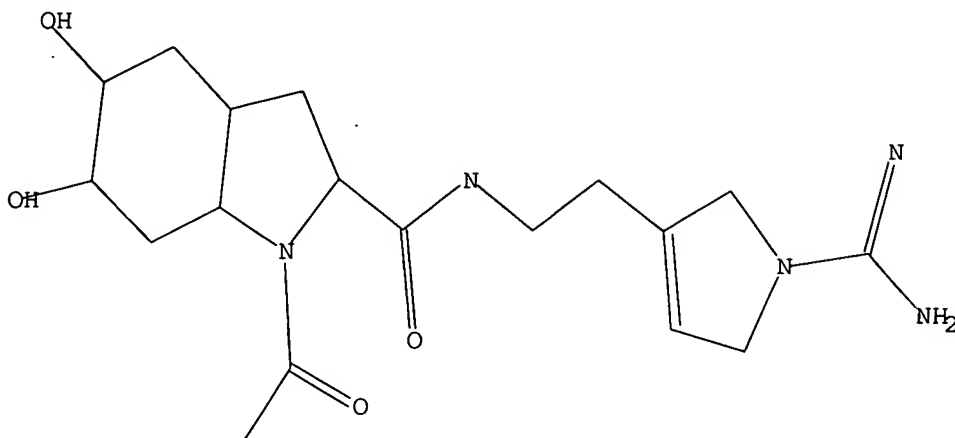
Uploading C:\Program Files\Stnexp\Queries\10759667b.str

L6 STRUCTURE UPLOADED

=> d

L6 HAS NO ANSWERS

L6 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l6 full

**REGISTRY INITIATED**

Substance data SEARCH and crossover from CAS REGISTRY in progress...

Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.

FULL SEARCH INITIATED 13:34:40 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 12 TO ITERATE

100.0% PROCESSED 12 ITERATIONS

4 ANSWERS

SEARCH TIME: 00.00.01

L7 4 SEA SSS FUL L6

L8 5 L7

=> d l8 1-5 ibib abs hitstr

L8 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 2004:553526 CAPLUS

DOCUMENT NUMBER: 141:221980

TITLE: Dysinosins B-D, inhibitors of factor VIIa and thrombin from the Australian sponge *Lamellodysidea chlorea*

AUTHOR(S): Carroll, Anthony R.; Buchanan, Malcolm S.; Edser, Annette; Hyde, Edward; Simpson, Moana; Quinn, Ronald J.

CORPORATE SOURCE: Natural Product Discovery, Eskitis Institute, Griffith University, Brisbane, 4111, Australia

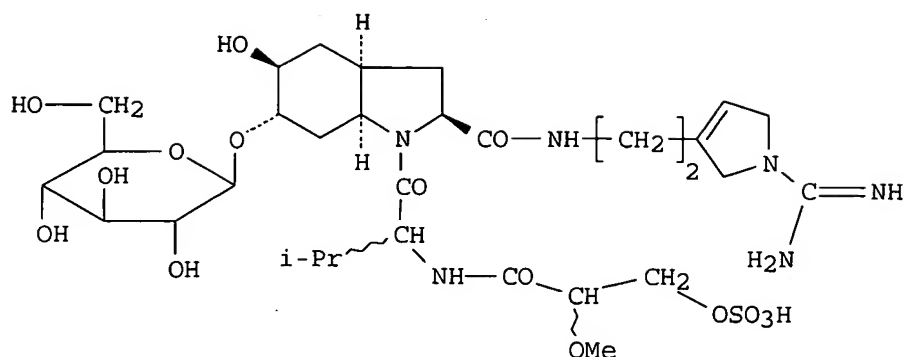
SOURCE: Journal of Natural Products (2004), 67(8), 1291-1294

CODEN: JNPRDF; ISSN: 0163-3864

PUBLISHER: American Chemical Society

DOCUMENT TYPE: Journal

LANGUAGE: English



AB Three new marine natural products, dysinosins B-D (e.g. I, dysinosin B), were isolated from the sponge *Lamellodysidea chlorea* and their structures determined by 1D and 2D NMR spectroscopy. These compds. are inhibitors of the blood coagulation cascade serine proteases factor VIIa and thrombin. These analogs, dysinosins B-D, allowed identification of two structural motifs within the structures that contribute to binding to the proteases, factor VIIa and thrombin.

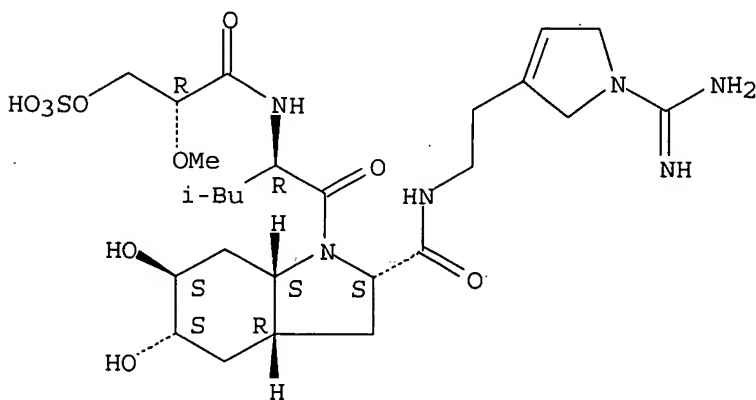
IT 477708-72-8, Dysinosin A

RL: BSU (Biological study, unclassified); BIOL (Biological study)  
(inhibitors of factor VIIa and thrombin from Australian sponge  
*Lamellodysidea chlorea*)

RN 477708-72-8 CAPLUS

CN 1H-Indole-2-carboxamide, N-[2-[1-(aminoiminomethyl)-2,5-dihydro-1H-pyrrol-3-yl]ethyl]octahydro-5,6-dihydroxy-1-[(2R)-2-[(2R)-2-methoxy-1-oxo-3-(sulfooxy)propyl]amino]-4-methyl-1-oxopentyl]-, (2S,3aR,5S,6S,7aS)- (9CI)  
(CA INDEX NAME)

Absolute stereochemistry.



L8 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 2003:491178 CAPLUS

DOCUMENT NUMBER: 139:47155

TITLE: Protease inhibitors of the coagulation cascade  
isolated from dysidea sponges

INVENTOR(S): Goetz, Gilles H.; Harrigan, George G.; Likos, John J.;  
Kasten, Thomas P.

PATENT ASSIGNEE(S): Pharmacia Corporation, USA

SOURCE: PCT Int. Appl., 38 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

| PATENT NO.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | KIND | DATE     | APPLICATION NO. | DATE       |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------|-----------------|------------|
| WO 2003051831                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | A2   | 20030626 | WO 2002-US40001 | 20021213   |
| WO 2003051831                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | A3   | 20031030 |                 |            |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,<br>CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,<br>GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,<br>LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH,<br>PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ,<br>UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW<br>RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,<br>KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES,<br>FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR, BF, BJ,<br>CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG |      |          |                 |            |
| US 2003158248                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | A1   | 20030821 | US 2002-307803  | 20021202   |
| US 6716869                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | B2   | 20040406 |                 |            |
| EP 1465866                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | A2   | 20041013 | EP 2002-782410  | 20021213   |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,<br>IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |          |                 |            |
| BR 2002015062                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | A    | 20041123 | BR 2002-15062   | 20021213   |
| US 2004147456                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | A1   | 20040729 | US 2004-759667  | 20040116   |
| PRIORITY APPLN. INFO.:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |      |          | US 2001-341527P | P 20011217 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |          | US 2002-307803  | A 20021202 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |          | WO 2002-US40001 | W 20021213 |

L8 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 2003:321340 CAPLUS

DOCUMENT NUMBER: 139:149881

TITLE: New and old challenges in total synthesis. From concept to practice

AUTHOR(S): Hanessian, Stephen; Margarita, Roberto; Hall, Adrian; Johnstone, Shawn; Tremblay, Martin; Parlanti, Luca

CORPORATE SOURCE: Department of Chemistry, Universite de Montreal, Montreal, QC, H3C 3J, Can.

SOURCE: Pure and Applied Chemistry (2003), 75(2-3), 209-221  
CODEN: PACHAS; ISSN: 0033-4545

PUBLISHER: International Union of Pure and Applied Chemistry

DOCUMENT TYPE: Journal; General Review

LANGUAGE: English

AB A review. The total synthesis of dysinosin A, a novel member of the aeruginosin group of marine natural products, is discussed. The stereocontrolled synthesis also confirms the proposed structure and absolute stereochem. of the natural product.

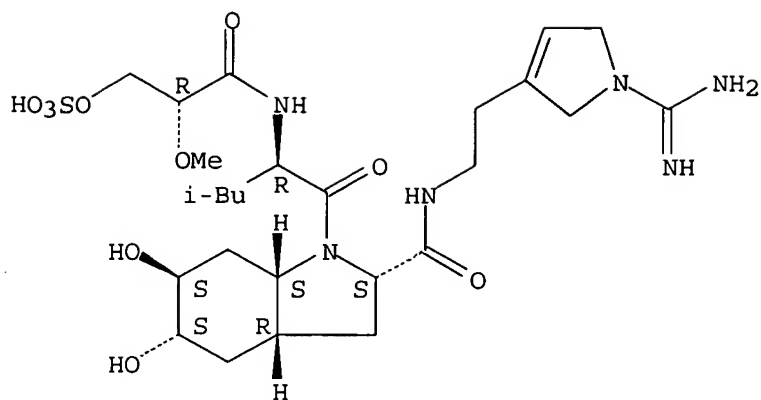
IT 477708-72-8P, Dysinosin A

RL: SPN (Synthetic preparation); PREP (Preparation)  
(total synthesis of dysinosin A and confirmation of its structure and stereochem.)

RN 477708-72-8 CAPLUS

CN 1H-Indole-2-carboxamide, N-[2-[1-(aminoiminomethyl)-2,5-dihydro-1H-pyrrol-3-yl]ethyl]octahydro-5,6-dihydroxy-1-[(2R)-2-[(2R)-2-methoxy-1-oxo-3-(sulfooxy)propyl]amino]-4-methyl-1-oxopentyl]-, (2S,3aR,5S,6S,7aS)-(9CI)  
(CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 79 THERE ARE 79 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 2002:789748 CAPLUS

DOCUMENT NUMBER: 138:14174

TITLE: Total synthesis and structural confirmation of the marine natural product dysynosin A: a novel inhibitor of thrombin and factor VIIa

AUTHOR(S): Hanessian, Stephen; Margarita, Roberto; Hall, Adrian; Johnstone, Shawn; Tremblay, Martin; Parlanti, Luca

CORPORATE SOURCE: Department of Chemistry, Universite de Montreal, Montreal, QC, H3C 3J7, Can.

SOURCE: Journal of the American Chemical Society (2002), 124(45), 13342-13343

CODEN: JACSAT; ISSN: 0002-7863

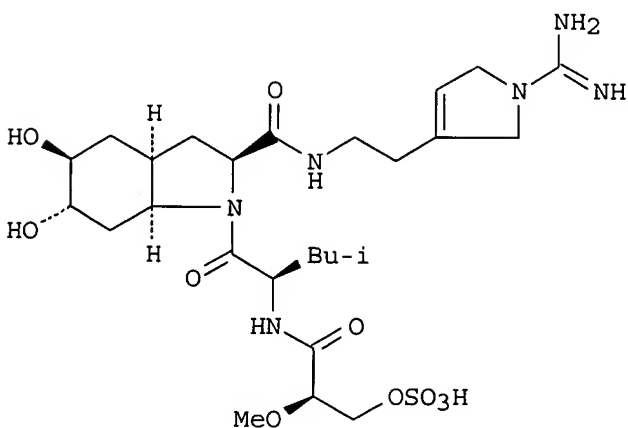
PUBLISHER: American Chemical Society

DOCUMENT TYPE: Journal

LANGUAGE: English

OTHER SOURCE(S): CASREACT 138:14174

GI



I

AB The structure and absolute configuration of the marine antithrombotic product dysynosin A (I) was confirmed by total synthesis. The strategy involved disconnection to three subunits, of which two were synthesized from the readily available L-glutamic acid, D-leucine, and D-mannitol. The Grubbs olefin metathesis carbo cyclization reaction was utilized to prepare two intermediates.

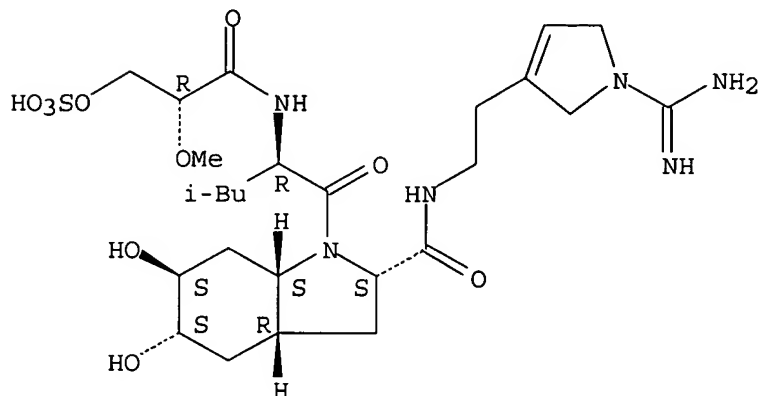
IT 477708-72-8P, Dysynosin A

RL: SPN (Synthetic preparation); PREP (Preparation)

(total synthesis from amino acids via Grubbs olefin metathesis carbo cyclization of marine natural product dysynosin A, its crystal structure and absolute configuration)

RN 477708-72-8 CAPLUS  
CN 1H-Indole-2-carboxamide, N-[2-[1-(aminoiminomethyl)-2,5-dihydro-1H-pyrrol-3-yl]ethyl]octahydro-5,6-dihydroxy-1-[(2R)-2-[[[(2R)-2-methoxy-1-oxo-3-(sulfooxy)propyl]amino]-4-methyl-1-oxopentyl]-, (2S,3aR,5S,6S,7aS)- (9CI)  
(CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 72 THERE ARE 72 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 2002:789746 CAPLUS

DOCUMENT NUMBER: 138:22307

TITLE: Dysynosin A: A novel inhibitor of factor VIIa and thrombin from a new genus and species of Australian sponge of the family Dysideidae

AUTHOR(S): Carroll, Anthony R.; Pierens, Gregory K.; Fechner, Greg; de Leone, Priscila; Ngo, Anna; Simpson, Moana; Hyde, Edward; Hooper, John N. A.; Bostroem, Stig-Lennart; Musil, Djordje; Quinn, Ronald J.

CORPORATE SOURCE: AstraZeneca R&D, Griffith University, Brisbane, 4111, Australia

SOURCE: Journal of the American Chemical Society (2002), 124(45), 13340-13341

CODEN: JACSAT; ISSN: 0002-7863

PUBLISHER: American Chemical Society

DOCUMENT TYPE: Journal

LANGUAGE: English

AB A new marine natural product dysynosin A has been isolated from a new genus and species of sponge of the family Dysideidae found near Lizard Island, North Queensland, Australia. Dysynosin A is a potent inhibitor of the blood coagulation cascade factor VIIa and an inhibitor of the serine protease thrombin. Among the distinctive features of dysynosin A are the presence of a 5,6-dihydroxy-octahydroindole-2-carboxylic acid, 3-amino-Et 1-N-amidino-Δ3-pyrroline, a sulfated glyceric acid, and D-leucine, assembled through three peptidic linkages. Dysynosin A inhibited factor VIIa at a  $K_i$  of 108 nM and thrombin at a  $K_i$  of 452 nM. The identification of the 1-N-amidino-Δ3-pyrroline and 5,6-dihydroxy-octahydroindole-2-carboxylic acid as P1 and P2 moieties resp., should pave the way for the design and synthesis of new structure-based inhibitors.

IT 477708-72-8P, Dysynosin A

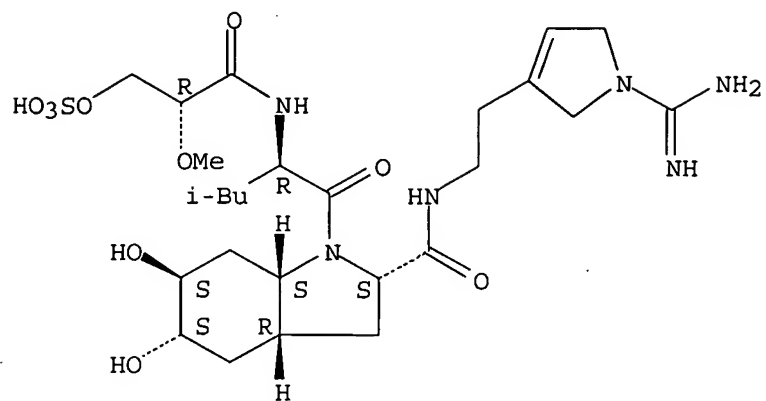
RL: BSU (Biological study, unclassified); NPO (Natural product occurrence); PRP (Properties); PUR (Purification or recovery); BIOL (Biological study); OCCU (Occurrence); PREP (Preparation)

(inhibitor of factor VIIa and thrombin from Australian sponge of family Dysideidae)

RN 477708-72-8 CAPLUS

CN 1H-Indole-2-carboxamide, N-[2-[1-(aminoiminomethyl)-2,5-dihydro-1H-pyrrol-3-yl]ethyl]octahydro-5,6-dihydroxy-1-[(2R)-2-[[[(2R)-2-methoxy-1-oxo-3-(sulfooxy)propyl]amino]-4-methyl-1-oxopentyl]-, (2S,3aR,5S,6S,7aS)- (9CI)  
(CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT:

24

THERE ARE 24 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

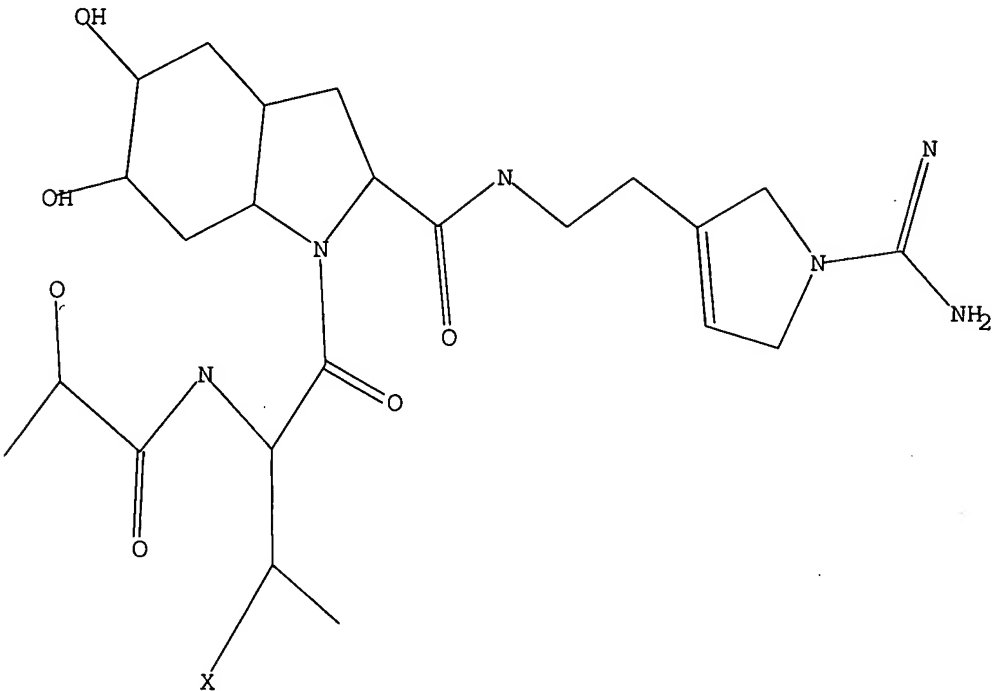
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L3 HAS NO ANSWERS

L3 S



Structure attributes must be viewed using STN Express query preparation.

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FULL SEARCH INITIATED 13:32:21 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 1 TO ITERATE

100.0% PROCESSED 1 ITERATIONS

1 ANSWERS

SEARCH TIME: 00.00.01

L4 1 SEA SSS FUL L3

$$\Rightarrow d \mid 14$$

L4 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2005 ACS on STN

RN 548443-14-7 REGISTRY

CN 1H-Indole-2-carboxamide, N-[2-[1-(aminoiminomethyl)-2,5-dihydro-1H-pyrrol-3-yl]ethyl]-1-[3-chloro-2-[2-methoxy-1-oxo-3-(sulfooxy)propyl]amino]-4-methyl-1-oxopentyl]octahydro-5,6-dihydroxy- (9CI) (CA INDEX NAME)

FS STEREOSEARCH

DR 548443-15-8

MF C26 H43 Cl N6 O10 S

SR CA

LC STN Files: CA, CAPLUS, USPAT2, USPATFULL

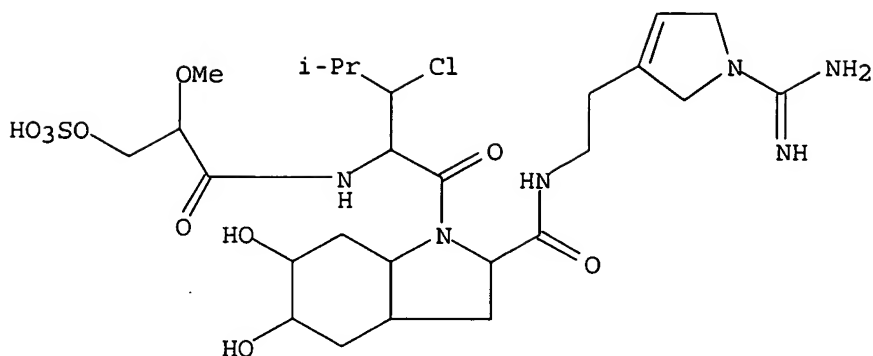
DT.CA CPlus document type: Patent

RL.P Roles from patents: BIOL (Biological study); OCCU (Occurrence); PREP (Preparation); PRP (Properties); USES (Uses)

RLD.P Roles for non-specific derivatives from patents: BIOL (Biological study); USES (Uses)

Currently available stereo shown.





1 REFERENCES IN FILE CA (1907 TO DATE)  
 1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

326.77 327.40

FILE 'CAPLUS' ENTERED AT 13:32:31 ON 03 MAR 2005

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FILE COVERS 1907 - 3 Mar 2005 VOL 142 ISS 10

FILE LAST UPDATED: 2 Mar 2005 (20050302/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s 14

L5 1 L4

=> d 15

L5 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2005 ACS on STN

AN 2003:491178 CAPLUS

DN 139:47155

TI Protease inhibitors of the coagulation cascade isolated from dysidea sponges

IN Goetz, Gilles H.; Harrigan, George G.; Likos, John J.; Kasten, Thomas P.

PA Pharmacia Corporation, USA

SO PCT Int. Appl., 38 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

|    | PATENT NO.    | KIND | DATE     | APPLICATION NO. | DATE     |
|----|---------------|------|----------|-----------------|----------|
| PI | WO 2003051831 | A2   | 20030626 | WO 2002-US40001 | 20021213 |
|    | WO 2003051831 | A3   | 20031030 |                 |          |

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,  
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,  
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,  
LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH,  
PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ,  
UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW  
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,  
KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES,  
FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR, BF, BJ,  
CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

|                                                                                                                              |    |          |                |          |
|------------------------------------------------------------------------------------------------------------------------------|----|----------|----------------|----------|
| US 2003158248                                                                                                                | A1 | 20030821 | US 2002-307803 | 20021202 |
| US 6716869                                                                                                                   | B2 | 20040406 |                |          |
| EP 1465866                                                                                                                   | A2 | 20041013 | EP 2002-782410 | 20021213 |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,<br>IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK |    |          |                |          |
| BR 2002015062                                                                                                                | A  | 20041123 | BR 2002-15062  | 20021213 |
| US 2004147456                                                                                                                | A1 | 20040729 | US 2004-759667 | 20040116 |
| PRAI US 2001-341527P                                                                                                         | P  | 20011217 |                |          |
| US 2002-307803                                                                                                               | A  | 20021202 |                |          |
| WO 2002-US40001                                                                                                              | W  | 20021213 |                |          |

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L5 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2005 ACS on STN

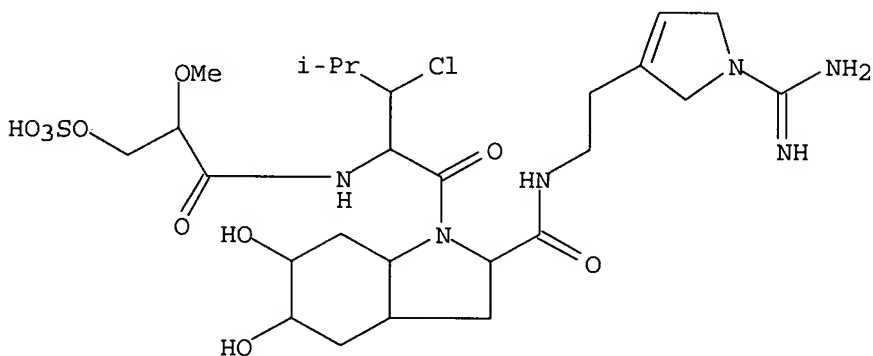
IT **548443-14-7P**

RL: NPO (Natural product occurrence); PAC (Pharmacological activity); PRP (Properties); PUR (Purification or recovery); THU (Therapeutic use); BIOL (Biological study); OCCU (Occurrence); PREP (Preparation); USES (Uses)  
(protease inhibitors of coagulation cascade isolated from dysidea sponges for anticoagulant therapy in combination with thrombolytic agents)

RN 548443-14-7 CAPLUS

CN 1H-Indole-2-carboxamide, N-[2-[1-(aminoiminomethyl)-2,5-dihydro-1H-pyrrol-3-yl]ethyl]-1-[3-chloro-2-[[2-methoxy-1-oxo-3-(sulfooxy)propyl]amino]-4-methyl-1-oxopentyl]octahydro-5,6-dihydroxy- (9CI) (CA INDEX NAME)

Currently available stereo shown.



RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(protease inhibitors of coagulation cascade isolated from dysidea sponges for anticoagulant therapy in combination with thrombolytic agents)